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## SAFETY REGULATION GROUP

Aviation House  
Gatwick Airport  
South  
West Sussex  
RH6 0YR

Direct Dial 01293 573140  
Direct Fax 01293 573975

Switchboard 01293 567171  
Fax 01293 573999  
Telex 878753

CIVIL AVIATION  
AUTHORITY

FAA-99-5835-8

MG (L7)  
13 October 1999

Mr J Haynes  
Federal Aviation Administration  
Airframe/Cabin Safety Branch, ANM-115  
Transport Airplane Directorate  
Aircraft Certification Service  
1601 Lind Avenue SW, Renton  
WA 98055-4056

DEPT OF TRANSPORTATION  
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Dear Mr Haynes

### ADVISORY CIRCULAR (AC) 25-723-1, SHOCK ABSORPTION TESTS

A notice announcing availability of this proposed AC, and requesting public comment, was published in the Federal Register on June 18, 1999, 64 FR 32982.

My comments, which reflect the agreement of the ARAC Loads and Dynamic Harmonisation Working Group at its meeting on 29 October 1997, are as follows:

- (1) I fully support this AC and its intent.
- (2) The AC is inconsistent in its use of a mix of terminology between weight and mass units, which could lead to confusion. For example, paragraph 5.b uses the terms "the weight used for the drop" and "dropped with an effective mass". I suggest that the text should use the term "weight" throughout in place of the word "mass".
- (3) The proposed text of FAR25.723(a) refers to test conditions at maximum take-off weight and maximum landing weight, whereas the AC, paragraph 5.a refers to design landing weight and design take-off weight conditions. Again consistency should be assured by referring to maximum take-off and landing weights throughout the AC.

Yours sincerely



**V CARD**

Head of Aircraft Systems and Equipment Department